

The Doctoral School PHENIICS welcome meeting for new ED PHENIICS recruits

David VERNEY
Directeur de l'ED PHENIICS
ED PHENIICS director

Academic year 2025-2026
12 Nov. 2025

ED portrait

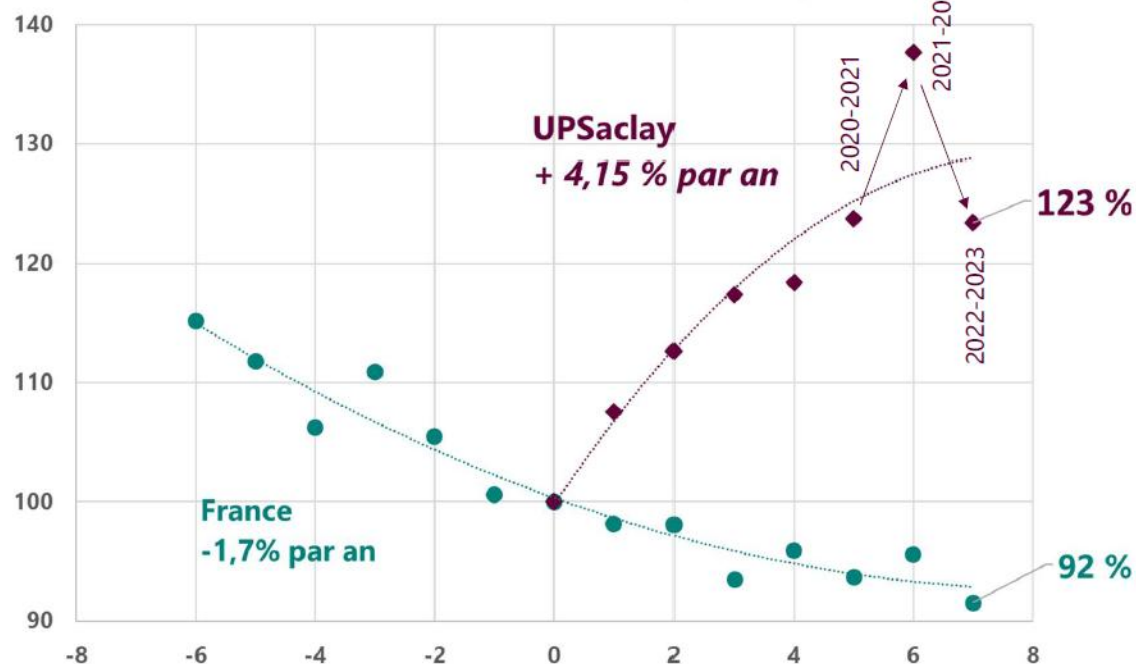


Université Paris Saclay
~4300 PhD students, 21 doctoral schools,
214 research units

Graduate School of Physics
4 Doctoral Schools

Doctoral School PHENIICS
~200 PhD students
15 labs : 445 supervisors (309 HDR)

Evolution des 1ères inscriptions en doctorat depuis 2009-2010, base
100 en 2015-2016 (année 0)

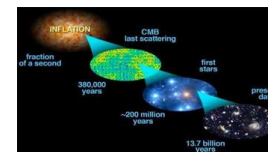


7% of 1st year enrollments in PhD are done at
Paris-Saclay i.e. 1 PhD student in 15 in France

ED portrait scientific perimeter

physics of the « 2 infinities »

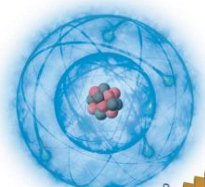
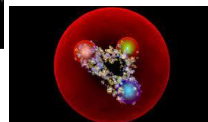
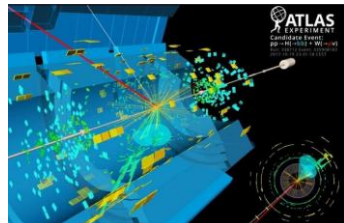
Nuclear astrophysics, nucleo-synthesis ; Cosmology, dark matter and energy



Particle (high energy) Physics, astroparticles ;
Nuclear & Hadron Physics



Accelerator physics



Extreme in spin

Extreme in mass

Extreme in isospin

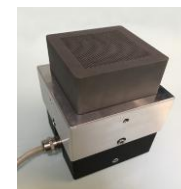


Detectors



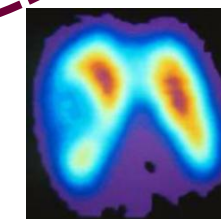
nuclear energy

Back-end nuclear cycle, radiation protection and radiochemistry



material science

medical imaging and radioactivity



radio and hadron therapy

ED portrait scientific perimeter



ED PHENIICS awards theses in the following specialties:

- Nuclear Astrophysics
- Accelerator Physics
- Nuclear Physics
- Particle Physics
- Physics for Medical Imaging
- Physics for Instrumentation
- Physics and Chemistry for Health
- Astroparticle Sciences and Cosmology
- Nuclear Cycle Downstream, Radioprotection, and Radiochemistry Sciences
- Nuclear Energy Sciences
- Materials Science.

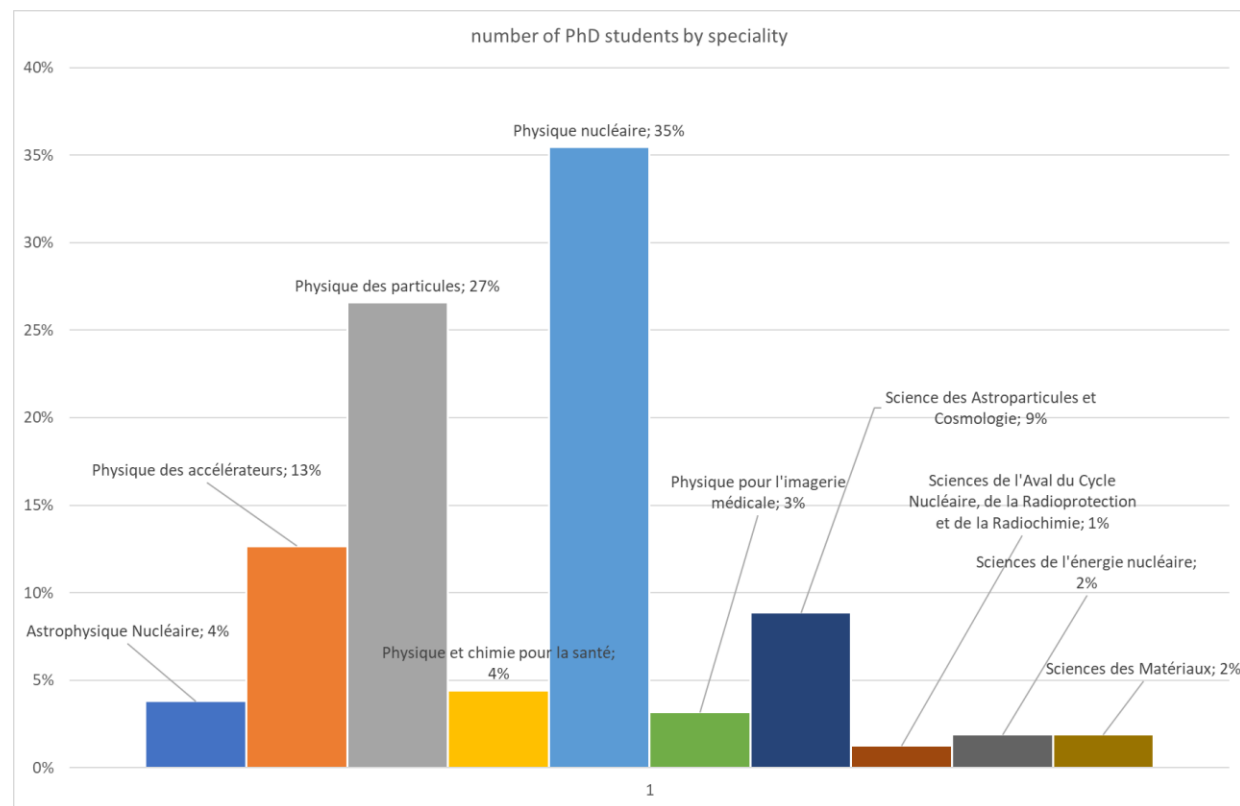
Physics and Chemistry for Nuclear Energy

60% international (1/3 cotutelle agreement)

40% national

(37 nationalities !)

distribution of PhD students by specialty in 2022-2023
(total 208)



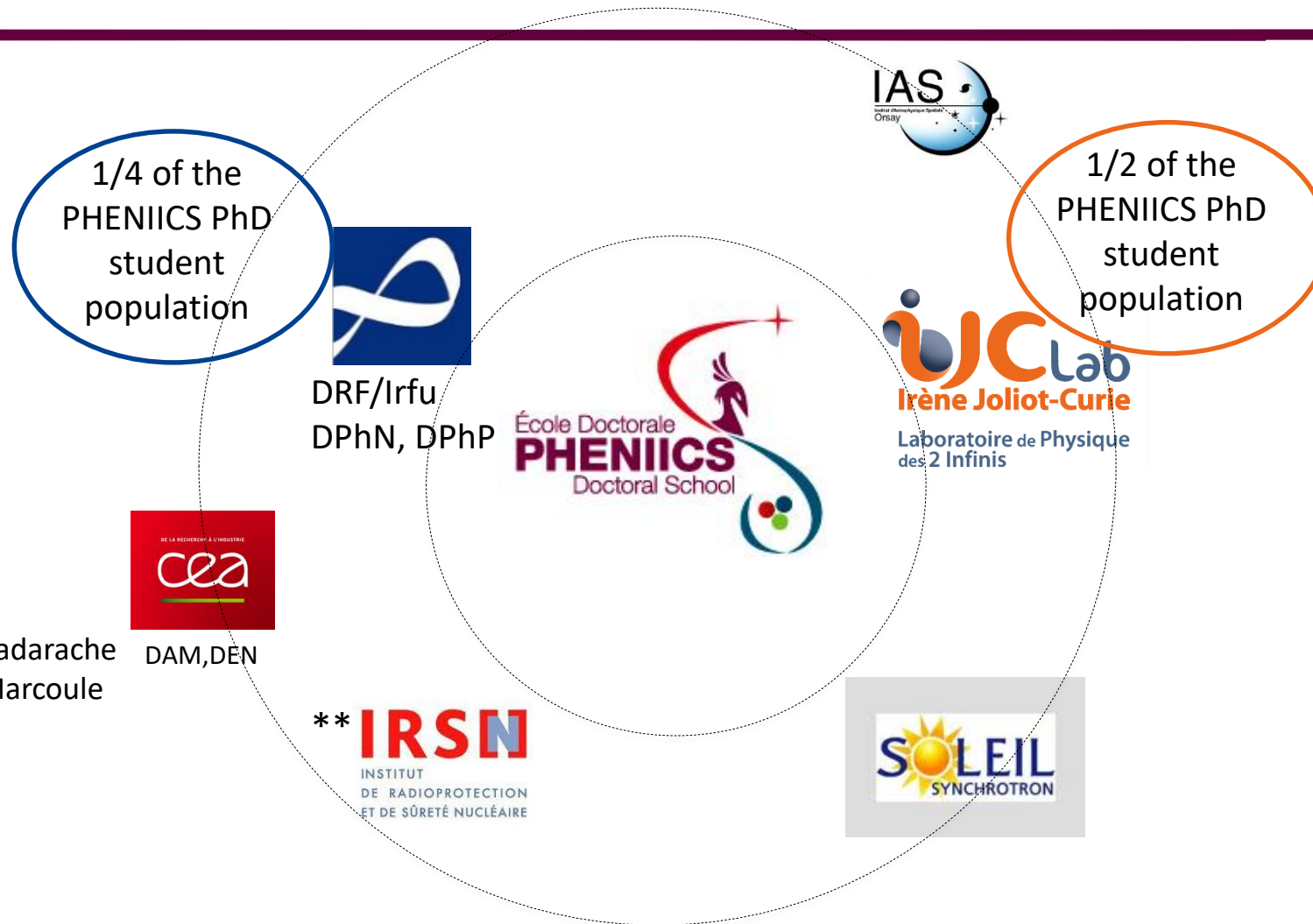
ED portrait

institutional and academic perimeters



15 labs* :
445 supervisors (309 HDR)

*20 if one counts each IRFU dpt as a lab



**
Creation of the French Nuclear Safety and Radiation Protection Authority (ASNR) as a merger of the French Nuclear Safety Authority (ASN) and the French Institute for Radiation Protection and Nuclear Safety (IRSN) into a new authority, the ASNR, on 1 January 2025.

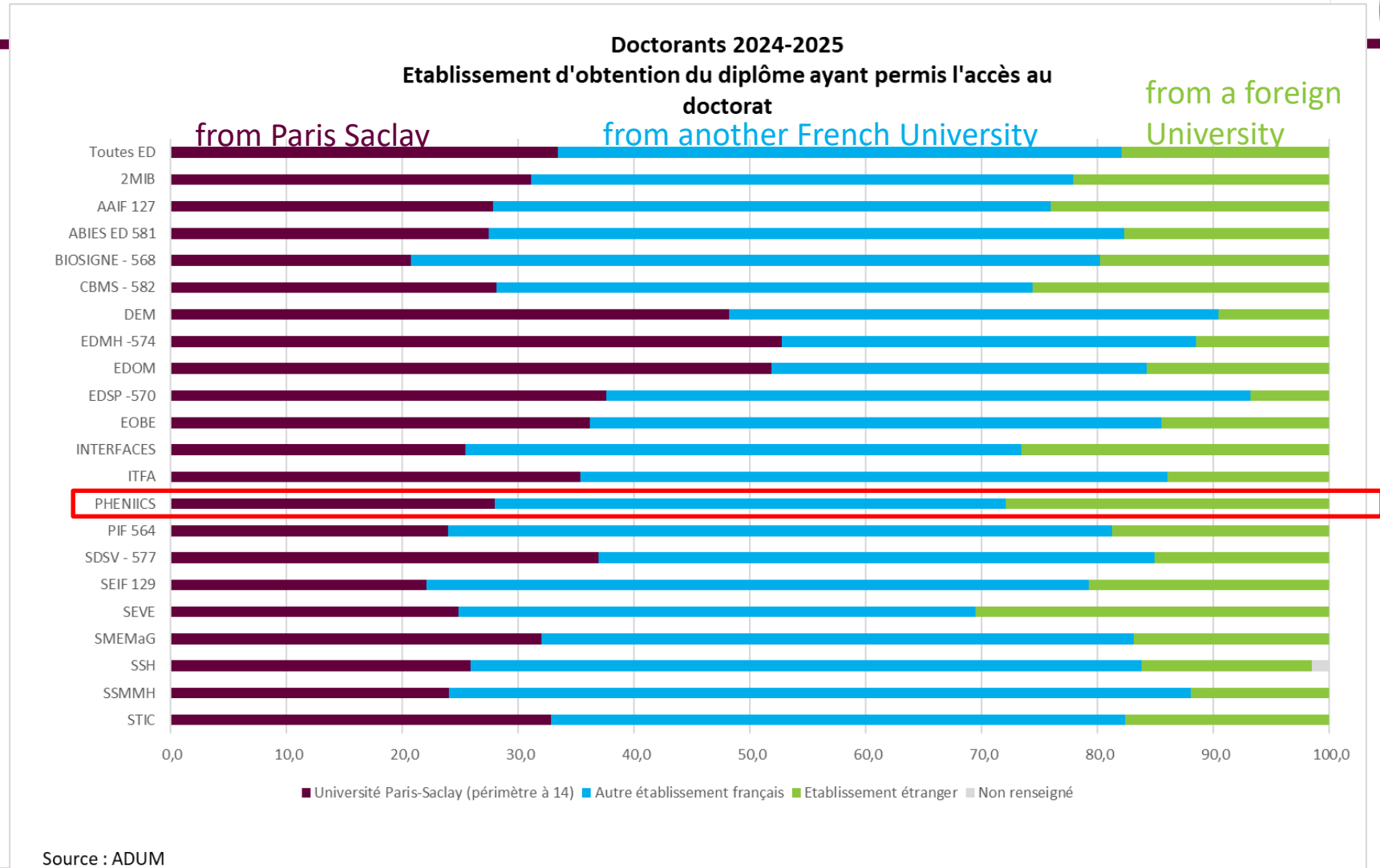
ED PHENIICS (a bit of) sociology



men/women: 70%/30%

One of the most internationally open
doctoral schools of Paris Saclay

→ ranked **second** in terms of the
number of **international first-time
PhD entrants**, i.e. students **joining
the doctorate directly after
completing their Master's degree
abroad**.



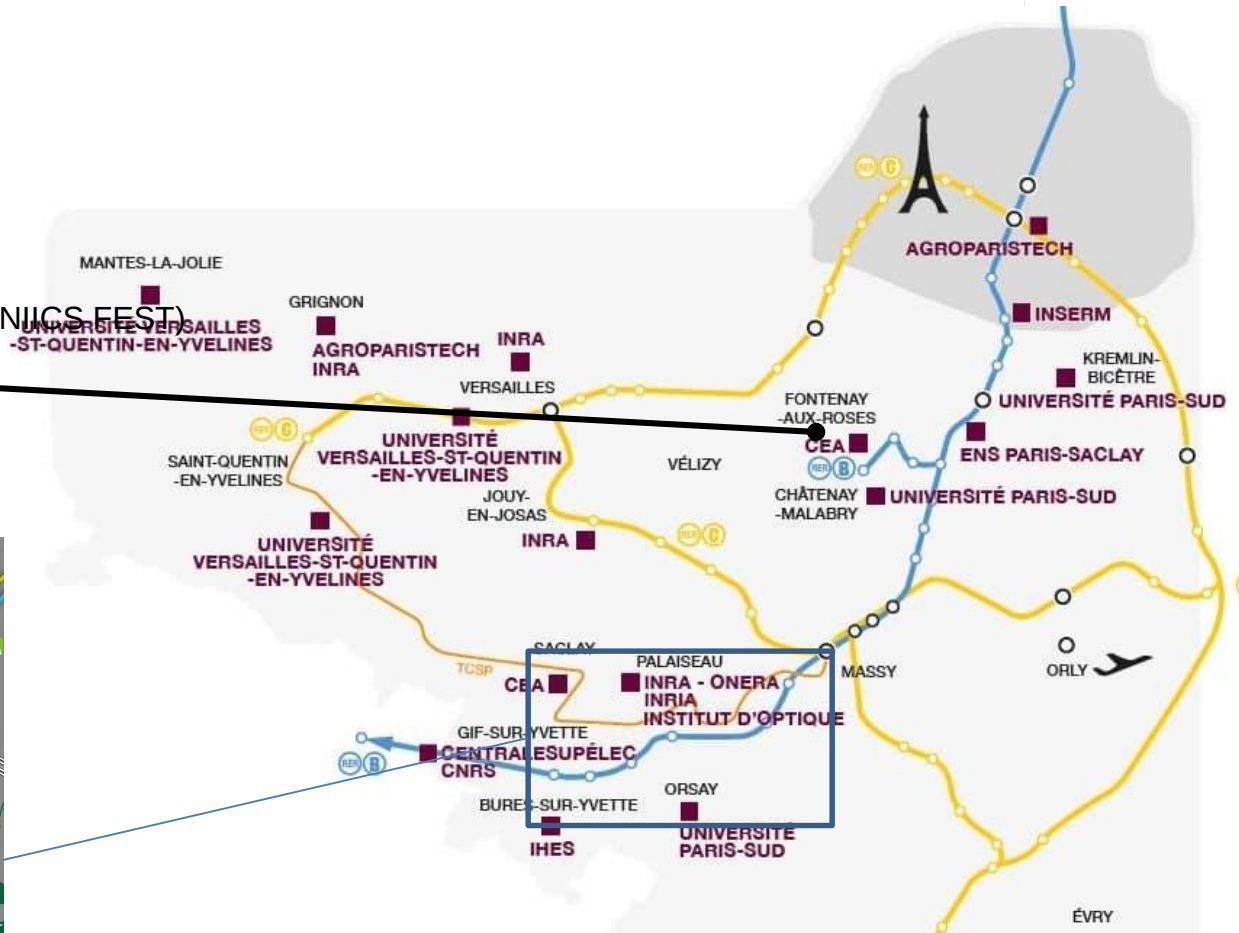
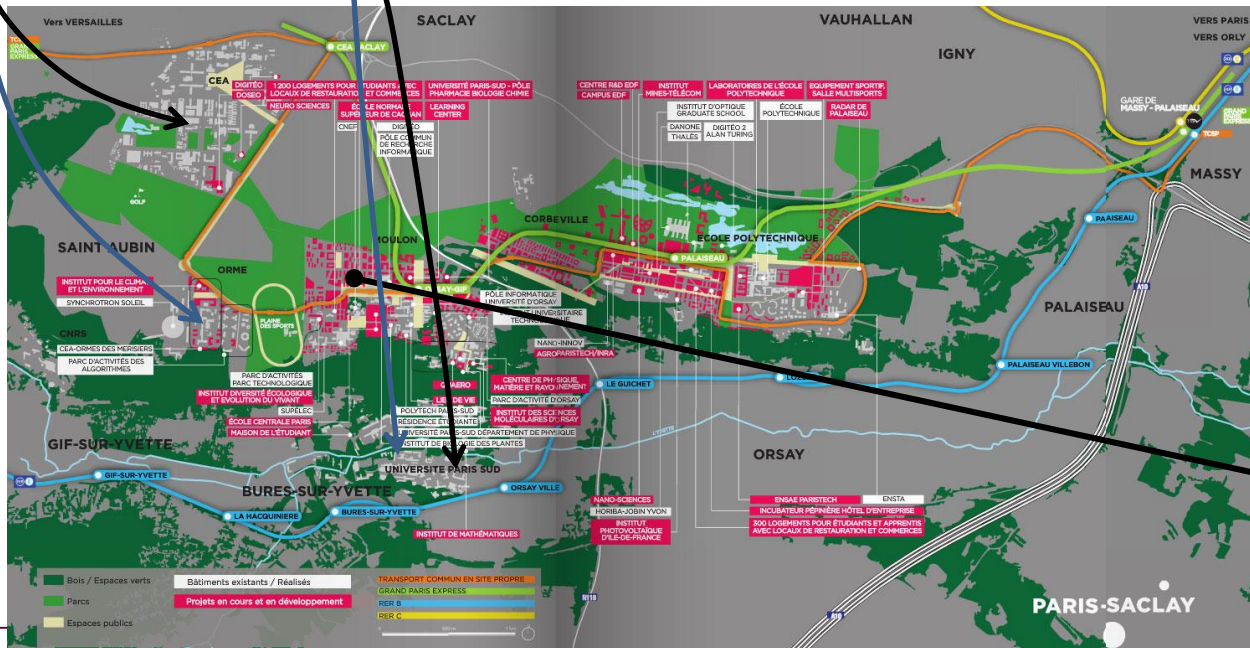
ED PHENIICS organization geographical and thematic

The PHENIICS Doctoral School's Bureau

Patrice HELLO
Catherine BOURGE
Didier FRANCK
Guillaume MENTION
Valérie LAPOUX
David VERNEY
Balsama DATTRINO

IJCLab
IJCLab
IRSN
Irfu/DPhP
Irfu/DPhN
IJCLab
IJCLab

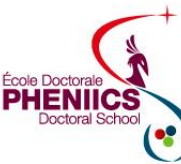
Deputy-Director
Administrative Assistant (ED course and PHENIICS FEST)
Deputy-Director
Deputy-Director
in charge of Doctoral Studies for DPhN
Director
Administrative assistant



Maison du Doctorat (Registrar's Office and Vice-President in charge of doctorate) building of Ecole Normale Supérieure Paris Saclay

ED PHENIICS 1st year new comers' meeting

université
PARIS-SACLAY



3 major actors around the PhD student



université
PARIS-SACLAY

Maison du Doctorat
(Registrar's Office and Vice-President in charge of doctorate)

doctoral
school

directorate of the doctoral school

individual follow
up committee
(CSI)

tutorship

laboratory

lab director

research team

PhD supervisor
(or supervising team)

funding
(Europe, national
institution,
university, ANR
etc...)

employer
(University, CNRS,
CEA, IRSN...)





doctoral School concil

Abada	Asmaa	IJCLab
Hello	Patrice	IJCLab
Mention	Guillaume	Irfu/DPhP
Franck	Didier	IRSN
Arleo	Francois	LLR
Garrido	Frederico	IJCLab
Verney	David	IJCLab
Prezado	Yolanda	Curie

de Saint Jean Cyril	CEA DAM
de Carlan Loic	CEA DES
Couprie Marie-Emmanuelle	Soleil
Drouart Antoine	Irfu/DPhN
Proust Eric	CEA DES
Bourge Catherine	IJCLab
Charron Eric	UPSay (ED EDOM)

Fouchet Thierry
Terras Véronique
Trincaz-Duvoid Sophie
Lemoine Thierry

Obs. Paris (ED A&A)
LPTMS (ED PIF)
(LPNHE, Sorbonne U)
Thalès

PhD student representatives

Voting participation rate: ~33%

- PERTILLE RITTER Brigitte (2Y- IJCLab)
- MIRIOT-JAUBERT Périne (3Y – DPhN/IRFU)
- CANTACUZENE Emile (3Y – IJCLab)
- MORARD Sophie (3Y – IJCLab)
- DARET Tristan (3Y – DPhP/IRFU)

yearly elections
please volunteer !
and vote !

The individual follow-up committee

Comité de Suivi Individuel (CSI)



At minimum of **two members**:

- One member who is a specialist in the discipline or related to the thesis topic, preferably external to the University Paris-Saclay.
- One member who is a non-specialist and works in a research unit within the scope of the PHENIICS Doctoral School but not in the same research team as the doctoral student.

At least one of the CSI members must hold a Habilitation à Diriger des Recherches (HDR) or an equivalent qualification.

The members of the committee do not participate in the supervision or guidance of the thesis. The members of the committee cannot be thesis rapporteurs, but they can participate in the jury as examiners or chairpersons.

If applicable, the CSI can be organized in consultation with the employer to share, if possible, the monitoring carried out by the employer and that carried out by the doctoral school.

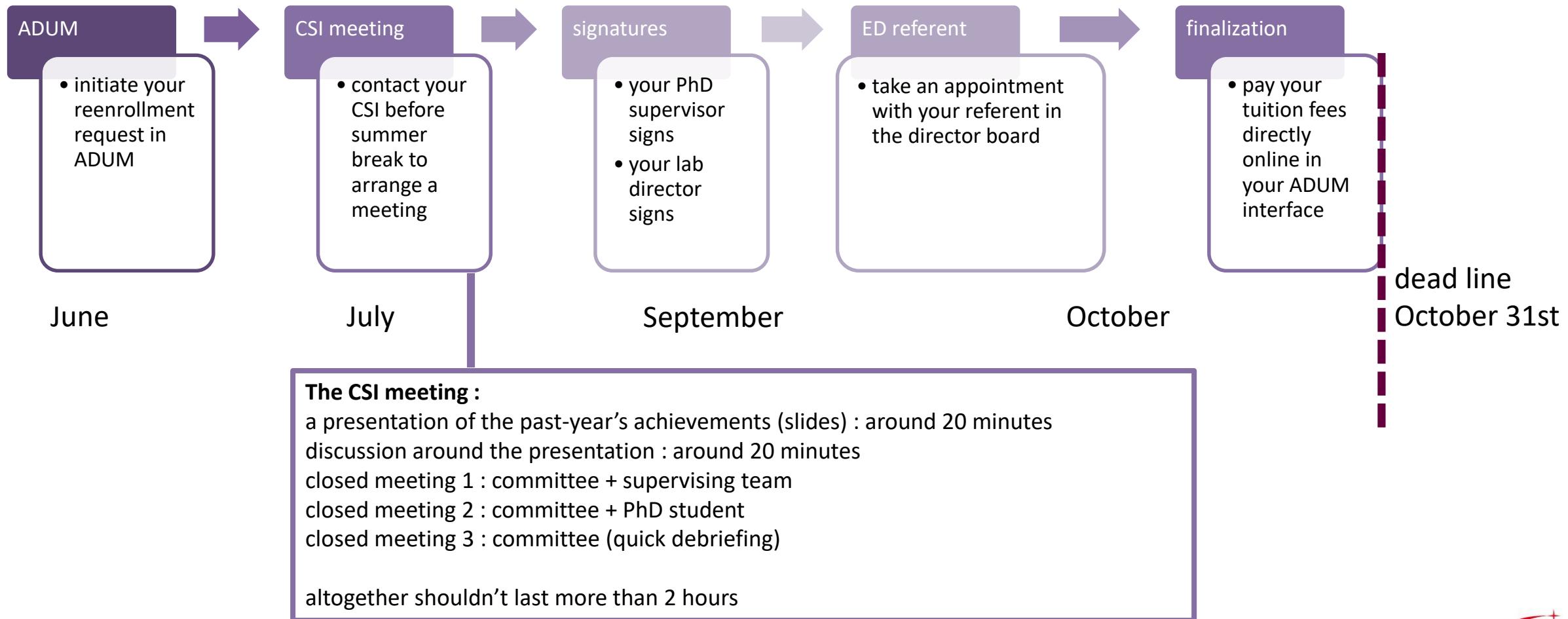
the follow-up provided by the CSI **must be benevolent**, and the members of the CSI must be chosen in such a way as to facilitate the doctoral student's ability to express his or her views !

The CSI is appointed by the PHENIICS Doctoral School's Directorate during the first months of the thesis, and in any case **no later than one month before its first meeting for registration in the second year**, based on the proposal of the thesis director, in consultation with the doctoral student.

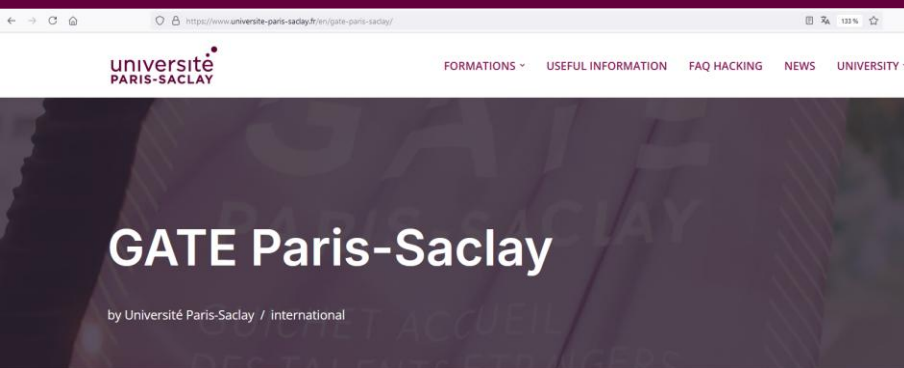
In the event of disagreement on this composition, the doctoral student informs their referent in the Directorate, who will decide accordingly. The composition of the CSI aims to ensure the independence and objectivity of the committee and to promote the voice of the doctoral student and, as far as possible, should remain constant throughout the duration of the thesis.

ED PHENIICS

the reenrollment process



The GATE Foreign Talent Welcome Desk <https://www.universite-paris-saclay.fr/en/gate-paris-saclay/>



Support for international students, PhD candidates and researchers at the GATE Paris-Saclay

The GATE Paris-Saclay offers help and support for international students, PhD candidates and researchers at Université Paris-Saclay, and is open until December 2024.

In order to help the university's international community with the various admin procedures and applications required when settling in France for the first time, the GATE Paris-Saclay benefits from the participation of the CPAM (health insurance), CAF (housing and family welfare benefits), CROUS (accommodation and grants) and France Travail (professional careers).

It provides information and support for:

- student visas, admin procedures and student life at Université Paris-Saclay
- all procedures and integration initiatives (Science Accueil)
- social security (CPAM)
- accommodation and welfare benefits (CAF)
- accommodation and grants (CROUS)
- student jobs and careers (France Travail).

The GATE Paris-Saclay is co-run by the Sous-Préfecture de Palaiseau, the association Science Accueil, Université Paris-Saclay and Institut Polytechnique de Paris. It is located on the university's Vallée campus at the University Library, Building 407, rue du Doyen Georges Poitou, 91400 Orsay.

The Gate Paris-Saclay is open until 20 December 2024, from Monday to Friday 9am – 1pm.

[Make an appointment via the following link: https://www.smartagenda.fr/pro/gate-paris-saclay/rendez-vous/](https://www.smartagenda.fr/pro/gate-paris-saclay/rendez-vous/)

Contact : international.welcomedesk@universite-paris-saclay.fr

ED PHENIICS

3 years : it's short !

- **Our advice:** at the beginning of your first year, have a **formal meeting** with your supervisory team to define **mutual expectations** :
- what kind of supervision you would like,
- what kind of supervision your thesis supervisors intend to provide, working hours (!),
- remote work arrangements,
- level of expectations,
- objectives such as publications, experiments,
- etc.

Unspoken assumptions at the start of a PhD often become the **difficulties of tomorrow!**

Project officer for awareness, prevention, and support regarding psychosocial risks among doctoral candidates (since May 2025)



Dr. Laetitia Pereira

MCU Pharmacologie - Université Paris Saclay

- ✓ **Certified Professional Coach**
- ✓ **PsychoSocial Risks specialization (PRS)**
- ✓ **Career coaching**
- ✓ **Team coaching**

laetitia.pereira@universite-paris-saclay.fr

WE ARE HERE TO HELP

If you encounter difficulties during your Ph.D don't stay alone, we can provide assistance.

université
PARIS-SACLAY



FOR Ph.D RELATED ISSUES & CONFLICTS

Ph.D representatives

Pierre BOISTIER, pierre.boistier@universite-paris-saclay.fr
Malia MEHDI, malia.mehdi@ijclab.in2p3.fr
Tania ZANATTA, taniazttm@gmail.com

Your CSI Members, Your laboratory director

Doctoral school director

David VERNEY, verney@ijclab.in2p3.fr

Psychosocial Risk Prevention for Ph.D. students
laetitia.pereira@universite-paris-saclay.fr



DISCRIMINATION/HARASSMENT/SEXIST AND SEXUAL VIOLENCES

Your CSI Members

Doctoral school director

David VERNEY, verney@ijclab.in2p3.fr

DALIDA (Univ. anonymous online incident report)
<https://www.universite-paris-saclay.fr/en/dalida-incident-report-unit>

Psychosocial Risk Prevention for Ph.D. students
laetitia.pereira@universite-paris-saclay.fr



FOR HEALTH ISSUES

Student health services

sse.contact@universite-paris-saclay.fr
service.medical452@universite-paris-saclay.fr
<https://www.universite-paris-saclay.fr/le-service-de-sante-des-doctorantes>
MonSoutienPsy (12 FREE appointments)



EMERGENCIES (7j/7 - 24h/24)

SAMU : 15, **Firefighters** : 18

Suicide prevention : 3114

Nightline Saclay : 01 85 40 20 10 (French)
01 85 40 20 00 (English)

Psychiatric Support Center (CPOA) : 01 45 65 81 09



ADMINISTRATIVE ISSUES

Doctoral school assistant

ed_pheniics@universite-paris-saclay.fr

Human resources

doctorant.drh@universite-paris-saclay.fr

International Matters

contact@science-accueil.org
international.welcomedesk@universite-paris-saclay.fr

ENJOY your Ph.D. experience

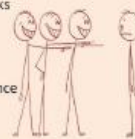
It's a healthy environment when :

- You are treated with **kindness**
- Your **ideas and decisions are respected**
- You receive **constructive feedback** on your work that helps you improve it
- You are given **opportunities** to develop your skills and self-confidence
- Your **career development** is supported
- You are allowed a **good work-life balance**



TALK ABOUT IT. It's violence when:

- You are assigned to "gender-based" tasks
- Your skills are underestimated
- You are treated condescendingly
- Your ideas are made invisible
- Your skills are publicly belittled
- You are judged based on your appearance
- You occasionally receive openly sexist comments or inappropriate terms
- You are isolated from your colleagues
- You are asked questions on your intimate life
- Sexual rumors are spread about you



ASK FOR HELP. You are in danger when:

- Sexist jokes are told all day long
- You are told sexual stories that make you uncomfortable
- You receive insulting or hurtful public comments with sexual connotations
- You are exposed to sexually explicit material
- You are threatened with retaliation if you report violent behavior
- You receive unwanted intimate advances
- You are offered career advantages in exchange for intimate relations
- You suffer negative consequences for refusing sexual advances



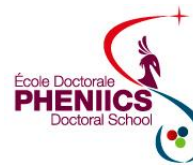
CAMPUS LIFE

@ www.universite-paris-saclay.fr/en

(health, handicap, international, social help, housing, sports, activities, etc.)



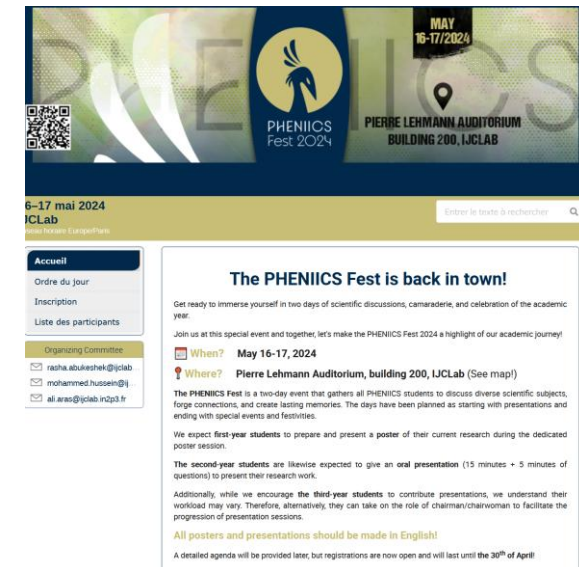
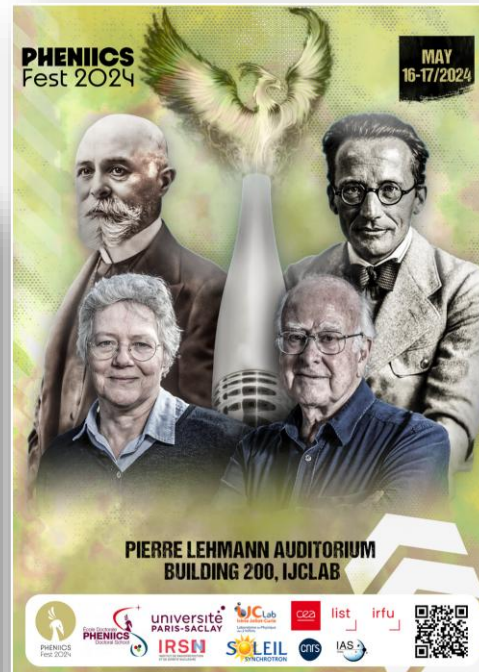
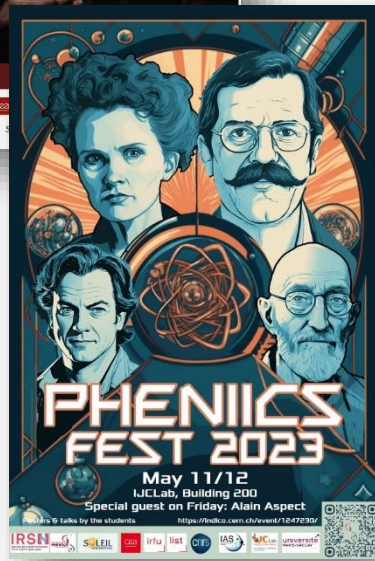
With the collaboration of Ph.D representatives



The PHENIICS Fest



The PHENIICS Fest is a two-day event organized by and for PhD students of the doctoral school PHENIICS, to get together, talk a little science, and share good times.
1Y = posters ; 2Y = talks ; 3Y = session chairpersons



members of the organizing committee get ≥ 5 training credits (see later)

ED PHENIICS

complementary doctoral training



In addition to personalized research training acquired through research activities within the research unit, doctoral training also includes collective training (referred to as "complementary doctoral training") aimed at:

- Reinforcing the scientific culture of doctoral students,
- Preparing them for their professional integration or career advancement in both the public and private sectors,
- Promoting international openness.

you must acquire **25 training points (or credits)** over the whole duration of your thesis, divided into the following three main categories :

- ☞ Training directly related to your thesis work (6-15 pts).
- ☞ Training designed to broaden your scientific culture (6-15 pts).
- ☞ Training related to your future professional insertion either in the academic (or more generally in the public sector) or in the private sector (6-15 pts).

A general equivalence is also proposed: 1 point ↔ 5h of training.

ED PHENIICS

complementary doctoral training



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- Preparing them for their professional integration or career advancement in both the public and private sectors,
- Promoting international openness.

there are 4 MANDATORY trainings :

- ☞ training in research ethics and scientific integrity
- ☞ training in the challenges of open science and the dissemination of research work in society to strengthen relations between scientists and citizens
- ☞ training in the challenges of sustainable development
- ☞ training in “taking action against sexual and gender-based violence (SGBV)”

In general trainings available as MOOCs in the ADUM catalog

ED PHENIICS

complementary doctoral training



Activity	Training points awarded
ED or Master2 courses	2 flat-rate points + 1 point/5h
Educational scientific events (summer schools, specialist workshops, etc.)	5h = 1 point (max 10 points/category)
Participation as a Doctoral Student Representative in various bodies (ED, lab, GS, university council, etc.)	1 one-year term = 2 points
Participation in juries, evaluations, etc. (e.g. ED competitions)	1 pt/day (max 3 points)
Organizing a scientific event	PHENIICS Fest = 5 points Other: 1 point/conference day + 1 flat-rate point if face-to-face
Supervision of trainees	3-point package (non-cumulative)
Teaching assignments, vacations	For teaching carried out: 5h ETD = 1 point (max 7 points)
	For teaching courses: 1 point/half-day (max 5 points)
For all doctoral students involved in scientific mediation, expertise or development work	For the mission itself: points = activity days/4 (max 5 points)
	For training related to this mission and attended by the doctoral student: 1 point/half-day (max 5 points)

table extracted from the ED PHENIICS internal regulation text (that you and your supervisor signed)

- Warning : additional training is not an option, it is mandatory !
Under no circumstances and under no pretext can your supervisor prevent you from taking this additional training.
- You should establish a clear training plan as soon as possible and discuss it with your supervisor.
- If you have any problems, do not hesitate to contact your ED advisor!

this correspondence table has been elaborated with the help of the doctoral students' representatives to the doctoral school council

IIICS 1st year new comers' meeting

ED PHENIICS

complementary doctoral training

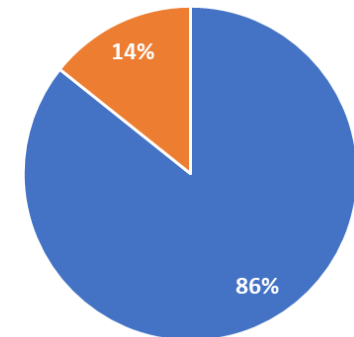


PHENIICS Courses	Teacher	
Beam manipulation for precision experiments	Enrique MINAYA (IJCLab)	Every 2 years
Cosmology of the dark universe: theory and observation	Yann Mambrini (IJCLab) & Thibaut Louis (IJCLab)	Every 2 years
Quarkonium Production	Jean-Philippe Lansberg (IJCLab)	See talk
Formation Geant 4	Laurent Garnier (IRISA), Ivana Hrivnacova (IJCLab), Marc Verderi (LLR)	See talk
Understanding basic principles of particle accelerators	Nicolas Delerue, David Longuevergne, Guillaume Martinet, Bruno Mercier, Luc Perrot	See talk
Cycle Informatique des Deux Infinis	coordinator David Chamont (IJCLab)	See talk
Flavour Physics: the CKM matrix and the CP Violation	Achille Stocchi (IJCLab)	Not presented today

see forthcoming presentations
« my ED training in 180 sec »



Flavour Physics. The CKM matrix and the CP Violation



■ Très satisfait ■ Satisfait ■ Moyennement satisfait

ED PHENIICS

complementary doctoral training



➤ please :

help us to enrich the offer of doctoral courses of the ED PHENIICS.

➤ a huge majority of IJCLab-Orsay lecturers... while there are many talented people at IRFU Saclay too, and probably in other labs of the ED PHENIICS perimeter.

➤ note :

we sometimes benefit from courses (in general “ultra” topical) taught by international experts who stay in our laboratories through various exchange programmes (e.g.: "visiting professors" etc.)

example 2 years ago: Basics of thermodynamics and hydrodynamics for heavy-ion physics

➤ note :

a few mandatory trainings organized at the University level (MOOCs)
sustainable development, open science, ethics and integrity + the 3 new ones (SSV + discrimination + psychosocial risks)

ED PHENIICS

complementary doctoral training



- 👉 discuss with your supervisor your participation in a summer school well in advance
- 👉 avoid procrastination: no overloaded programme in 3rd year!
- 👉 if in doubt, talk to your PHENIICS referent !!

ED PHENIICS professional insertion



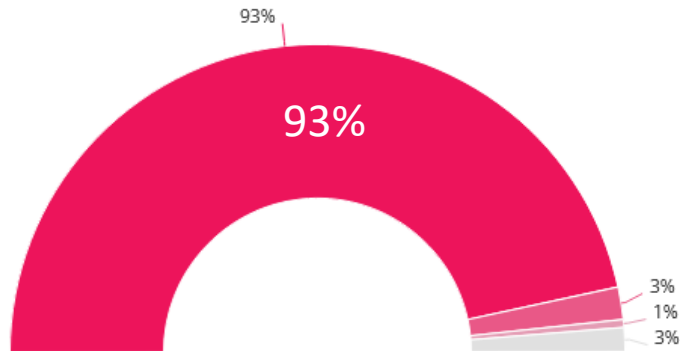
Statistics on PhD graduates from
Université Paris-Saclay
The doctorate and the professional
situation as of **December 1, 2023**, of
PhD graduates from the **2018, 2020,**
and 2022 calendar years.

The survey was conducted from April to
December 2024. PhD graduates were
contacted by email, followed by phone
reminders in October and November 2024.

Number of individuals surveyed: 175

Number of respondents: 118

Response rate: 67%

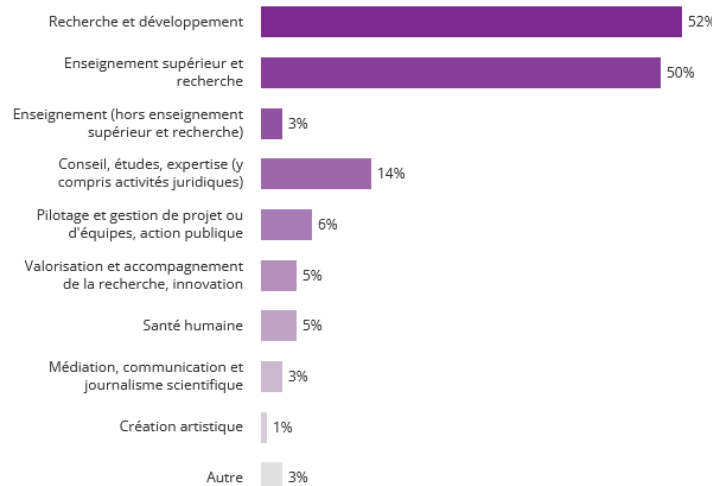


● Vous avez un emploi ● Vous n'avez pas d'emploi et vous recherchez du travail
● Vous n'avez pas d'emploi mais vous en avez trouvé un qui commence après le 1er décembre...
● Vous n'avez pas d'emploi et vous êtes dans une autre situation

Employment as of December 1, 2023: Professional Activities

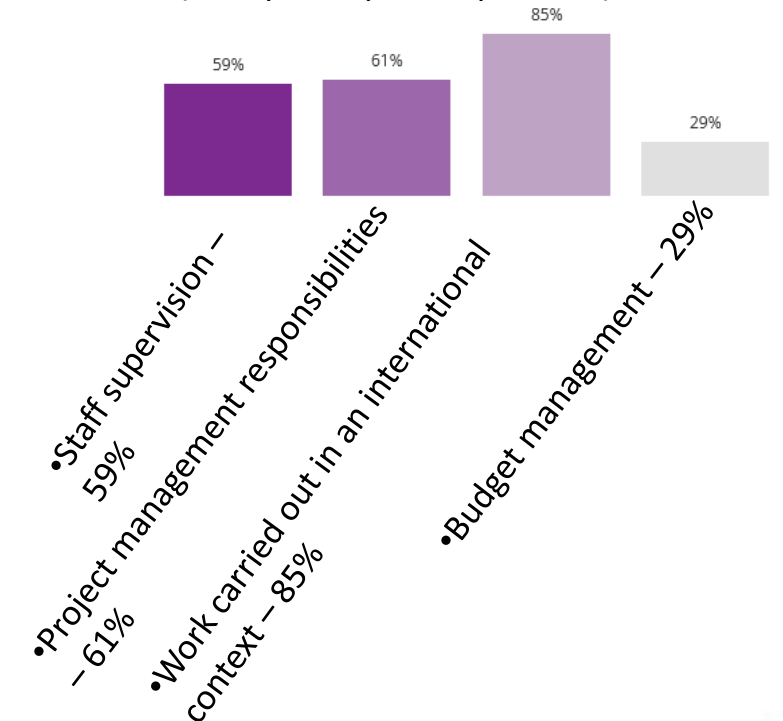
Category of activities
(multiple responses possible)

- Research and Development – 52%
- Higher Education and Research – 50%
- Teaching (outside higher education and research) – 3%
- Consulting, Studies, Expertise (including legal activities) – 14%
- Project or Team Management, Public Action – 6%
- Research Valorization and Innovation Support – 5%
- Human Health – 5%
- Mediation, Communication, and Science Journalism – 3%
- Artistic Creation – 1%
- Other – 3%



The job involves:

(multiple responses possible)



Welcome !!!

